

Title (en)
DISPLAY SUBSTRATE AND MANUFACTURING METHOD THEREOF, AND DISPLAY DEVICE

Title (de)
ANZEIGESUBSTRAT UND HERSTELLUNGSVERFAHREN DAFÜR SOWIE ANZEIGEVORRICHTUNG

Title (fr)
SUBSTRAT D'AFFICHAGE ET SON PROCÉDÉ DE FABRICATION, ET DISPOSITIF D'AFFICHAGE

Publication
EP 3255673 A4 20181003 (EN)

Application
EP 15837080 A 20150720

Priority
• CN 201510065091 A 20150206
• CN 2015084428 W 20150720

Abstract (en)
[origin: US2016372525A1] The present invention provide a display substrate, a fabricating method thereof, and a display apparatus, and belongs to the filed of display technology. The display substrate comprises a plurality of pixels, each of the pixels is divided into a plurality of light emitting units, each of the light emitting units comprises an anode, a cathode, a carrier transport layer, and a light emitting layer, wherein at least one of the plurality of light emitting units comprises a light emitting layer and at least one process auxiliary layer; the process auxiliary layer and the light emitting layer in other light emitting units are formed into an integral portion from a same material in a film forming process. Display resolution can be improved in the present invention.

IPC 8 full level
H01L 27/32 (2006.01); **H10N 10/856** (2023.01); **H01L 51/52** (2006.01); **H01L 51/56** (2006.01)

CPC (source: EP US)
H10K 30/865 (2023.02 - US); **H10K 50/11** (2023.02 - EP US); **H10K 50/13** (2023.02 - EP US); **H10K 50/15** (2023.02 - EP US);
H10K 50/16 (2023.02 - US); **H10K 50/18** (2023.02 - US); **H10K 50/81** (2023.02 - US); **H10K 50/82** (2023.02 - US); **H10K 50/852** (2023.02 - US);
H10K 59/35 (2023.02 - EP US); **H10K 59/351** (2023.02 - EP US); **H10K 71/00** (2023.02 - EP US); **H10K 71/164** (2023.02 - US);
H10K 59/876 (2023.02 - EP); **H10K 2102/351** (2023.02 - US)

Citation (search report)
• [XA] US 2014131674 A1 20140515 - PARK JINHO [KR], et al
• [X] JP 2011048962 A 20110310 - CANON KK, et al
• See also references of WO 2016123916A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 2016372525 A1 20161222; **US 9620568 B2 20170411**; CN 104659067 A 20150527; CN 104659067 B 20181218; EP 3255673 A1 20171213;
EP 3255673 A4 20181003; EP 3255673 B1 20200429; WO 2016123916 A1 20160811

DOCDB simple family (application)
US 201514907235 A 20150720; CN 2015084428 W 20150720; CN 201510065091 A 20150206; EP 15837080 A 20150720